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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=1; day=17; hr=17; min=7; sec=47; ms=220;]

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Application No: 10532480 Version No: 2.0

Input Set:**Output Set:**

Started: 2008-01-04 18:09:22.369
Finished: 2008-01-04 18:09:27.470
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 101 ms
Total Warnings: 69
Total Errors: 72
No. of SeqIDs Defined: 75
Actual SeqID Count: 75

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
E 257	Invalid sequence data feature in <221> in SEQ ID (1)
E 257	Invalid sequence data feature in <221> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
E 257	Invalid sequence data feature in <221> in SEQ ID (2)
E 257	Invalid sequence data feature in <221> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
E 257	Invalid sequence data feature in <221> in SEQ ID (3)
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W 213	Artificial or Unknown found in <213> in SEQ ID (4)
E 257	Invalid sequence data feature in <221> in SEQ ID (4)
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W 213	Artificial or Unknown found in <213> in SEQ ID (5)
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W 213	Artificial or Unknown found in <213> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)

Input Set:

Output Set:

Started: 2008-01-04 18:09:22.369
Finished: 2008-01-04 18:09:27.470
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Total Warnings: 69
Total Errors: 72
No. of SeqIDs Defined: 75
Actual SeqID Count: 75

Error code	Error Description
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 257	Invalid sequence data feature in <221> in SEQ ID (8)
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E 257	Invalid sequence data feature in <221> in SEQ ID (10)
E 257	Invalid sequence data feature in <221> in SEQ ID (10) This error has occurred more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
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W 213	Artificial or Unknown found in <213> in SEQ ID (20) This error has occurred more than 20 times, will not be displayed
W 402	Undefined organism found in <213> in SEQ ID (66)

Input Set:

Output Set:

Started: 2008-01-04 18:09:22.369
Finished: 2008-01-04 18:09:27.470
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 101 ms
Total Warnings: 69
Total Errors: 72
No. of SeqIDs Defined: 75
Actual SeqID Count: 75

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (68)
W 402	Undefined organism found in <213> in SEQ ID (72)
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SEQUENCE LISTING

<110> Garry, Jr., Robert F.
McKeating, Jane A.
Dash, Srikanta
Coy, David H.

<120> FLAVIVIRUS FUSION INHIBITORS

<130> 12920.0014.PCUS00

<140> 10532480

<141> 2005-04-22

<150> 60/424,746

<151> 2002-11-08

<160> 75

<170> PatentIn version 3.4

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Tyr Gln Val Arg Asn Ser Ser Gly Leu Tyr His Val Thr Asn Asp Cys
1 5 10 15

Pro Asn Ser Ser Ile Val Tyr Glu Ala Ala Asp Ala Ile Leu
20 25 30

<210> 2
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<400> 2

Cys Ser Ala Leu Tyr Trp Val Gly Asp Leu Cys Gly Ser Val Phe Leu
1 5 10 15

Val Gly Gln Leu Phe Thr Phe Ser Pro Arg Arg His Trp Thr Thr Gln
20 25 30

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<210> 3
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<400> 3

Ser Pro Arg Arg His Trp Thr Thr Gln Asp Cys Asn Cys Ser Ile Tyr
1 5 10 15

Pro Gly His Ile Thr Gly His Arg Met Ala Trp Asp Met Met Met Asn
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Trp Ser Pro Thr
35

<210> 4
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<400> 4

Met Met Met Asn Trp Ser Pro Thr Ala Ala Leu Leu Arg Ile Pro Gln
1 5 10 15

Ala Ile Met Asp Met Ile Ala Gly Ala His Trp Gly Val Leu Ala Gly
20 25 30

Ile Lys Tyr Phe Ser Met Val Gly Asn Trp

<210> 5
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Arg Val Thr Asp Pro Asp Thr Asn Thr Thr Ile Leu Thr Asn Cys Cys
 1 5 10 15

Gln Arg Asn Gln Val Ile Tyr Cys Ser Pro Ser Thr Cys Leu
 20 25 30

<210> 6
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<400> 6

Arg Asp Phe Val Glu Gly Val Ser Gly Gly Ser Trp Val Asp Ile Val
1 5 10 15

Leu Glu His Gly Ser Cys Val Thr Thr Met Ala Lys Asn Lys Pro Thr
20 25 30

Leu Asp Phe
35

<210> 7

<211> 35

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<400> 7

Arg Asp Phe Ile Glu Gly Ala Ser Gly Ala Thr Trp Val Asp Leu Val
1 5 10 15

Leu Glu Gly Asp Ser Cys Leu Thr Ile Met Ala Asn Asp Lys Pro Thr
20 25 30

Leu Asp Val
35

<210> 8
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<400> 8

Arg Asp Phe Ile Glu Gly Val His Gly Gly Thr Trp Val Ser Ala Thr
1 5 10 15

Leu Glu Gln Asp Lys Cys Val Thr Val Met Ala Pro Asp Lys Pro Ser
20 25 30

Leu Asp Ile
35

<210> 9
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<400> 9

Arg Asp Phe Leu Glu Gly Val Ser Gly Ala Thr Trp Val Asp Leu Val
 1 5 10 15

Leu Glu Gly Asp Ser Cys Val Thr Ile Met Ser Lys Asp Lys Pro Thr
 20 25 30

Ile Asp Val
 35

<210> 10
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<400> 10

Gly Gln Leu Ala Cys Lys Glu Asp Tyr Arg Tyr Ala Ile Ser Ser Thr
 1 5 10 15

Asn Glu Ile Gly Leu Leu Gly Ala Gly Gly Leu Thr Thr Thr Trp Lys
 20 25 30

Glu Tyr Asn

35

<210> 11

<211> 35

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<400> 11

Gly His Leu Asp Cys Lys Pro Glu Phe Ser Tyr Ala Ile Ala Lys Asp

1

5

10

15

Glu Arg Ile Gly Gln Leu Gly Ala Glu Gly Leu Thr Thr Thr Trp Lys

20

25

30

Glu Tyr Ser

35

<210> 12

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carbohydrate

<400> 12

Gly Glu Phe Ala Cys Arg Glu Asp His Arg Tyr Ala Leu Ala Lys Thr
1 5 10 15

Lys Glu Ile Gly Pro Leu Gly Ala Glu Ser Leu Thr Thr Thr Trp Thr
20 25 30

Asp Tyr Gln
35

<210> 13

<211> 34

<212> PRT

<213> Artificial Sequence

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carbohydrate

<400> 13

Thr Cys Asp Ala Leu Asp Ile Gly Glu Leu Cys Gly Ala Cys Val Leu
1 5 10 15

Val Gly Asp Trp Leu Val Arg His Trp Leu Ile His Ile Asp Leu Asn
20 25 30

Glu Thr

<210> 14
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<400> 14

Lys Arg Phe Val Cys Lys His Ser Met Val Asp Arg Gly Trp Gly Asn
1 5 10 15

Gly Cys Gly Leu Phe Gly Lys Gly Gly Ile Val Thr Cys Ala Met Phe
20 25 30

Thr Cys

<210> 15
<211> 34
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<400> 15

Ser Ser Tyr Val Cys Lys Gln Gly Phe Thr Asp Arg Gly Trp Gly Asn
1 5 10 15

Gly Cys Gly Leu Phe Gly Lys Gly Ser Ile Asp Thr Cys Ala Lys Phe
20 25 30

Ser Cys

<210> 16
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<400> 16

Gly Asp Asn Ala Cys Lys Arg Thr Tyr Ser Asp Arg Gly Trp Gly Asn

1	5	10	15
Gly Cys Gly Leu Phe Gly Lys Gly Ser Ile Val Ala Cys Ala Lys Phe			
20	25	30	

Thr Cys

<210> 17
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Pro Ala Phe Val Cys Arg Gln Gly Val Val Asp Arg Gly Trp Gly Asn
1 5 10 15

Gly Cys Gly Leu Phe Gly Lys Gly Ser Ile Asp Thr Cys Ala Lys Phe
20 25 30

Ala Cys

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